

VOLODIN, N.S.; BAGAYEV, I.S.; PENKINA, Ye.S.; DURNOVO, I.G.; KAPTANENKO, A.Ya.;
LUK'YANOVA, G.N.; KOLESNIKOV, V.A.

Use of centralized vacuum evaporation cooling of a zinc
electrolyte. TSvet. met. 38 no.6:33-39 Je '65.

(MIRA 18:10)

PENKNOVICH, A.A., kand. med. nauk; CHERENKOVA, T.M.

"Current methods of examination in sports medicine". Reviewed
by A.A. Penknovich, T.M. Cherenkova. Terap. arkh. 35 no.9:
117-119 S'63 (MIRA 17&4)

1. Glavnyy vrach Gor'kovskogo oblastnogo vrachebnogo-fizkul'-
turnogo dispansera (for Cherenkova).

PEN'KO, A.

Copper and silver recovery by the segregation method [from
foreign journals], TSvet.met. 35 no.2:91-93 1 '62.

(MIRA 15:2)

(Copper--Metallurgy)

(Silver--Metallurgy)

PEN'KO, A.S.

Filtration of roasting gases laden with zinc oxide dust through
a glass fabric. TSvet. met. 36 no.10:95-96 0 '63. (MIRA 16:12)

PEN'KO, A.S.

Matte blowing with oxygen-enriched air. TSvet. met. 36 no.5:93-94
My '63. (MIRA 16:10)

PEN'KO, G.A.

Advice to amateur drivers. Avtomobilist 1:92-99 '61. (MIRA 15:1)
(Automobile drivers)

PENKNOVICH A. A., Cand Med Sci — (diss) "Oxyhemometric Testing of the Level of the Oxidation Processes and Its Importance in the Functional Examination of Athletes," Leningrad, 1960, 23 pp, 300 copies (Leningrad Sanitary Hygiene Medical Institute) (KL, 47/60, 107)

ABUGOV, Boris Grigor'yevich; KOZAREZ, Vladimir Yakovlevich; PENKNOVICH, L.D.,
nauchnyy red.; GAVRILOV, F.P., red.; ROMANOV, B.V., red.; RAKOV, S.I.,
tekhn.red.

[Collection of problems in mechanical drawing] Zadachnik po mashino-
stroitel'nomu chercheniu. Izd. 2-oe, ispr. 1 perer. Moskva, Vses.
uchebno-pedagog. izd-vo Trudrezervizdat, 1957. 366 fold. 1. (in
portfolio) — — — [Practical manual for teachers to accompany
the "Collection of problems in mechanical drawing."] Metodicheskoe
rukovodstvo dlia prepodavatelei k zadachniku po mashinostroitel'-
nomu chercheniu. Izd. 2-oe, ispr. 1 perer. 1957. 39 p. (MIRA 11:4)
(Mechanical drawing—Study and teaching)

PUGACHEV, Aleksandr Sergeyevich; PENKOVICH, L.D., nauchnyy red. [deceased];
MISHKEVICH, G.I., red.; FRUMKIN, P.S., tekhn. red.

[Two hundred puzzle problems in mechanical drawing] 200 zadach-
golovolomok po chereniiu. Leningrad, Gos. soizuznoe izd-vo
sudostroit.promyshl., 1960. 127 p. (MIRA 13:4)
(Mechanical drawing)

PHN'KO

Technical Engineer. "A Letter Concerning Balykin's Article 'The Influence of the Temperature and the Charging Area on Speed of Smelting and Specific Smelting of Sulphide and Oxidized Materials in Reverberatory Furnaces", Tsvet. Met. 14 No. 2, July 1939.

Report U-1506, 4 Oct. 1951.

Theory and practice of reverberatory smelting. A. S. Penko. *Iron Age Metal*, 1940, No. 8, 56-64. A general discussion of efficiency of reverberatory furnaces in Cu smelting. To increase the efficiency of furnaces, the most important measure is the maintenance of high temp. Other factors are prepn. of charge, preheating and good insulation. For treatment of converter slags, high temp. is necessary in the melting zone to reduce the FeO, and to slag the FeO. Addition of silica to slag, high temp. and settling at lower temps. are helpful in reducing the losses of Cu in the slag.
B. N. Damluff

PEN'KO, A.

Processing copper chloride ores in Mantos Blancos (Chile)
(from "Journal of Metals," no.1, 1952). TSvet.met. 35
no.8:91-93 Ag '62. (MIRA 15:8)
(Chile—Copper mines and mining)

PEN'KO, A., referent

New copper electrolysis plant [from "Engineer and Mining Journal,"
no. 3, 1960; "Journal of Metals," no. 6, 1960]. TSvet. met. 34
no. 4:92 Ap '61. (MIRA 14:4)
(United States--Copper--Electrometallurgy)

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
CA 9 Improvement of converter output of copper smelting works. A. S. Panko. <i>Tsvetnyye Metally</i>, 1930, No. 12, 117-118. P. describes the results of work done at the Kirovgrad Copper Smelter (Russia) with the purpose of increasing the efficiency of the converters and prolonging the life of refractories. The tests were made on a Great Falls converter of 30-ton mat capacity. The results made available by the investigation led P. to the following conclusions: The output increases with the increase of total vol. of air; to obtain the desired vol. of air it was found necessary to increase the capacity of blowers and to use a greater no. of tuyères of smaller diam. The corrosive action of Zn-Fe slags can be decreased by adding of fluxes contg. alumina. It was found unnecessary to use air enriched in O₂. 7 references. B. N. Daniloff																																																			
ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION FROM DIVISION ILLUSTRATION FROM DIVISION																																																			

DIYEV, Nikolay Pavlovich [deceased]; VERMINICHEV, Sergey
Aleksandrovich; PEN'KO, Aleksandr Stepanovich; GAL'NEK,
A.A., red.

[Reverberatory smelting of copper concentrates; manual for
schools and courses for foremen] Otrazhatel'naia plavka
mednykh kontsentratov; posobie dlia shkol i kursov masterov.
Izd.2., perer. i dop. Moskva, Metallurgiya, 1965. 296 p.
(MIRA 18:6)

PEN'KO, A.S.

Processing of waste copper slags. TSvet. met. 34 no.8:95 Ag '61.
(Slag) (MIRA 14:9)

PEN'KO, A. S.

Zinc distillation in a new type of horizontal retort furnaces
[from "Engineering and Mining Journal," no.8, 1961]. TSvet.
met. 35. no.4:86-87 Ap '62. (MIRA 15:4)
(Belgium--Zinc--Metallurgy)

PEN'KO, A.S.

Application of physical chemistry in processes of sulfating
roasting of metal sulfides. TSvet. met. 38 no.6:87 Je '65.
(MIRA 18:10)

BARANOV, V.M., arkhitektor; PEN'KOV, A.V., arkhitektor

New types of administrative buildings for industrial enterprises. Prom stroi. 39 no.6:37-40 '61. (MIRA 14:7)

1. TSentral'nyy nauchno-issledovatel'skiy i proyektno-eksperimental'nyy institut promyshlennykh zdaniy i sooruzheniy.
(Factories--Design and construction)

PEN"KO, A.S.

Expansion of the Yerington hydrometallurgical plant (from
"Engineering and Mining Journal," no.8, 1954; no.3, 1962).
TSvet.met. 35 no.12:78 D '62. (MIRA 16:2)
(United States—Hydrometallurgy)

29993

S/170/61/004/012/003/011

B104/B138

26.2131

AUTHOR: Pen'ko, A. S.

TITLE: Atomization of liquids

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, v. 4, no. 12, 1961, 47 - 51

TEXT: The atomizing mechanism of three different types of burner was studied. In pressure jet burners atomization is effected by centrifugal forces acting on a rotating jet of liquid. A cross-sectional view of this type of burner is shown in Fig. 1. The liquid coming from the direction indicated by the arrow is forced through a specially designed orifice K in swirl diaphragm B. The rotating liquid is atomized by as it is forced

through the aperture in O. The drop size is given by $r = 1.5 \alpha R^2 / \rho w_o^2$,

where R = radius of the flow of liquid, α = surface tension of the liquid, w_o = its angular velocity, and ρ = its specific gravity. By varying the

cross section of the guide channel K and of the front aperture of the burner, both the degree of atomization and the angle of the flame can be varied over a wide range. In air-jet burners, liquid and air (or gas) are
Card 1/3

29993

S/170/61/004/012/003/011
B104/B138

Atomization of liquids

forced through two concentric nozzles. The liquid is atomized by surface friction between the two jets. In this type, the formula obtained for the drop size reads: $r = 2\alpha g / \varphi \gamma_2 w_o^2$, where α = surface tension of the liquid, φ = aerodynamic resistance of the gas, and w_o = velocity of the gas relative to that of the liquid. This formula shows that the following conditions have to be observed when designing this kind of burner: (1) The air-jet velocity should be maximum at the point where the liquid is atomized; (2) the velocity of the liquid should be at minimum at this point; (3) the surface area of the liquid should be at maximum here. In centrifugal or rotary burners, the liquid is atomized by rapid rotation of a spinning cup or a similar component. The drop size obtainable with this type of burner is given by: $r^2 = 1.5\alpha g R / \gamma w_o^2$, where α = surface tension of the liquid, γ = its specific gravity, w_o = peripheral velocity of the impeller, and R = its diameter. At a constant speed, these types produce drops of equal size, and almost any degree of atomization can be

Card 2/3

29993

S/170/61/004/012/003/011

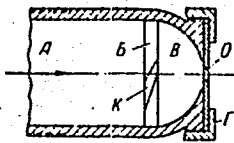
B104/B138

Atomization of liquids

achieved. In addition, they have a high efficiency and are trouble-free. Their cumbersome design is said to be a drawback. There are 4 figures and 3 Soviet references.

SUBMITTED: July 17, 1961

Fig. 1. Diagram of a pressure jet burner. Legend: (A) casing; (Б) swirl mechanism; (В) swirl chamber; (Λ) orifice; (O) aperture; (Γ) nut.



Card 3/3

PEN'KO, A.S., referent

Electrolytic refining of lead in a sulfamate electrolyte. [from "Lead News," no.8, 1959]. TSvet, mat. 34 no.2:93 F '61. (MIRA 14:6)
(Lead—Electrometallurgy)

PEN'KO, A.S.

Atomization of liquids. Inz.-fiz. zhur. 4 no.12:47-51 D '61.
(MIRA 14:11)
(Atomization)

VEITMAN, Aleksandr Abramovich; LINCHEVSKIY, Boris Vadimovich; PEN'KO, A.S.,
red.; SUKHAREVA, R.A., tekhn.red.

[Vacuum metallurgy] Vakuunnaia metallurgia. Moskva, 1958.
27 p. (Stenogramma lektsii. Seriia "Metallurgia," no.1)
(Vacuum metallurgy) (MIRA 12:4)

PEN'KO, Aleksandr Stepanovich

DIYEV, Nikolay Pavlovich; VERMENICHEV, Sergey Aleksandrovich; ~~PEN'KO, Aleksandr Stepanovich~~; KOCHNEV, M.I., redaktor; IUCHKO, Yu.V., redaktor; IOVALENKO, N.I., tekhnicheskii redaktor

[Smelting copper ores and concentrates in reverberatory furnaces]
Otrazhatel'naya plavka mednykh rud i kontsentratorov; uchebnoe posobie
dlia shkol i kursov masterov. Sverdlovsk, Gos. nauchno-tekhn. izd-vo
lit-ry po chernoi i tsvetnoi metallurgii, 1954. 300 p. (MLRA 8:4)
(Copper--Metallurgy) (Smelting furnaces)

PIEN'KO, A.S., referent.

Zinc production in shaft furnaces. Biul. TSIN tsvet. met. no.22:
39-40 and 3 of cover. '57. (MIRA 11:8)

(Zinc—Metallurgy)

BEREGOVSKIY, V.I.; PEN'KO, A.S.

Characteristics of the design and the flow sheet used in the
new nickel plant in Thompson, Canada. TSvet. met. 37 no.6:90-
94 Je '64. (MIRA 17:9)

PEN'KO, G., inzh., chempion i rekordsmen SSSR po vodno-motornomu sportu

The GP-125 outboard motor. Za rul. 18 no.6:11-12 Je '60.

(MIRA 13:8)

(Outboard motors)

PENKO, Slavko, inz.

Results of the research on the inoculation of gray iron with ferrosilicon. Ljvar vest 11 no.6:170-172 '64.

1. "Litostroji" Factory, Ljubljana.

L 05643--67 EWT(d)/EWT(m) IJP(c) JR

ACC NR: AP6021627

SOURCE CODE: UR/0089/66/020/003/0261/0264

AUTHOR: Marchuk, G. I.; Penenko, V. V.

ORG: none

TITLE: Numerical methods for calculating two dimensional nuclear reactors

SOURCE: Atomnaya energiya, v. 20, no. 3, 1966, 264

TOPIC TAGS: nuclear reactor technology, numeric solution, iteration, finite difference

ABSTRACT: This is an abstract of paper no. 69/3435, submitted to the editor and filed, but not published. The article deals with the solution of the problem, in two-dimensional geometry, of physical design of a nuclear reactor of specified volume. The calculation is based on the determination of the largest positive eigenvalue and corresponding non-negative eigenfunction of the system of many-group diffusion equations, using the Perron - Frobenius nonnegative matrix theory. The solution is obtained by a numerical finite-difference iteration technique. The programming of the computer and the solution of the conjugate problem are included. Orig. art. has: 2 formulas

SUB CODE: 18/ SUBM DATE: 25Aug65

Card 1/1

UDC: 621.039.51.12.134

PENKOV

BULGARIA/Chemical Technology - Dyeing and Chemical
Processing of Textiles.

H-34

Abs Jour : Ref Zhur - Khimiya, No 12, 1958, 41946

Author : Penkov

Inst : -

Title : Calculations for Sizing.

Orig Pub : Leka promishlenost. 1956, 5, 11, 35-38

Abstract : On the basis of Soviet and Bulgarian experience, equations are derived for determining the concentration of starch solution, depending on the yarn number, warp density, as well as determining the quantity of chloramine, oils, glycerine and water in a starch mixture. Data is given for compounding individual and typical formulations.

Card 1/1

LAVRENKO, V.A.; PEN'KOV, A.A.

Kinetics of the anodic oxidation of molybdenum in boric acid solution. Zhur. fiz. khim. 37 no.5:1049-1056 My '63.

(MIRA 17:1)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR.

L 9896-63 EWP(q)/BDS/EWT(m)--APFTC/ASD--JD/JG/WB
 ACCESSION NR: AP3000414 S/0076/63/037/005/1049/1056

AUTHOR: Lavrenko, V. A.; Pen'kov, A. A.

TITLE: Kinetics of the anodic oxidation of molybdenum in boric acid solution

SOURCE: AN SSSR. Zhurnal fizicheskoy khimii, v. 37, no. 5, 1963, 1049-1056

TOPIC TAGS: anodic oxidation of molybdenum, kinetics of anodic oxidation, rates of electrolytic oxidation, refractory metals, refractory metal electrolytic processes, lattice effects on oxidation, metallic strain in oxidation

ABSTRACT: The present work on molybdenum is part of an investigation to determine the role of the metallic state on electrolytic oxide film formation in refractory metals. The apparatus consisted of an electrolytic cell (applied potentials up to 200V) using 99.987% pure Mo anode plates, a cathode plate of pure Pt separated from the anode by a porous glass diaphragm, and a saturated solution of boric acid as the electrolyte. Two types of samples were studied: cold rolled samples and recrystallized samples annealed in a high-frequency vacuum furnace at 1500C. As a criterion defining the strain, the values (Epsilon)

Card 1/2

L 9896-63

ACCESSION NR: AP3000414

of the relative microdeformations formed during rolling, which were estimated from line broadening in X-ray reflection measurements, were used. Analysis of the electrolyte after electrolysis showed a much greater solubility of the Mo oxides from the cold worked sample than from the recrystallized sample. "In conclusion, we take the opportunity to express our gratitude to I. Ye. Shiyanovskaya for taking the X-ray photographs and working out the parts of our investigation dealing with X-rays." Orig. art. has: 17 formulas, and 1 table.

ASSOCIATION: Institut metallokeramiki i spetsial'nykh splavov akademii nauk SSSR (Institute of Metalloceramics and Special Alloys Academy of Sciences SSSR)

SUBMITTED: 21Mar62 DATE ACQ: 19Jun63

ENCL: 00

SUB CODE: 00

NR REF SOV: 00

OTHER: 005

Card

2/2

ANATOL'YEVSKIY, Pavel Aramovich; GANICHEV, Ivan Aleksandrovich;
SHEYEFOV, Osip Markovich. Prinimal uchastiye: ~~PEN'KOV, A.I.~~;
FAYERMAN, N.B.; KULICHIKHIN, N.I., doktor tekhn. nauk, prof.,
zasl. deyatel' nauki i tekhniki RSFSR, retsenzent; FEDOROV,
B.S., inzh., nauchnyy red.; FRIDKIN, L.M., tekhn. red.

[Drilling technology in building power installations] Tekhnologiya bureniia v energeticheskoi stroitel'stve. Pod obshchey red. I.A.Ganicheva. Moskva, Gosenergoizdat, 1962. 407 p.
(MIRA 16:5)

(Boring)

PEN'KOV, A.I.

Technical and economic labor-productivity indices at
cement plants. TSement 26 no.3:20-24 My-Je '60.

(MIRA 13:7)

(Cement plants) (Labor productivity)

PEN'KOV, A.I.; LOBKAREV, M.V.; SHNEYDER, V.P.

Effect of calcium muds on the stability of the well bore.
Burenie no.2:21-24 '65. (MIRA 18:5)

1. Turkmenskiy filial Vsesoyuznogo neftegazovogo nauchno-
issledovatel'skogo instituta.

PEN'KOV, A.I.; LUK'YANOV, V.A.

Freezing of a tool and the evaluation of drilling muds. Buzenie
no.3:2-6 '65. (MIRA 18:5)

1. Turkmenskiy filial "Ussesmanogo neftegazovogo nauchno-issledo-
vatel'skogo instituta

PEN'KOV, A.M., professor.

Stability calculation of a single-stage net framework of a spherical gas holder subjected to bending and torsion. Zap.Inst.gor.mekh.
AN URSSR no.5:79-91 '47. (MIRA 8:4)
(Gasholders)

PEN'EOV, A.M., professor, doktor tekhnicheskikh nauk.

Experimental study of the stability of plane polygonal frames. Zap.
Inst.gor.mekh. AN URSS no.6:13-27 '48. (MIRA 8:4)
(Structural frames)

PEN'KOV, A. M.

Pen'kov, A. M. Bondarchuk, A. S. and Krolevets, M. S. - "On the dynamic modulus of elasticity of steel (mining) ropes," Doklady Akad. nauk Ukr. SSR, No. 5, 1948, p. 42-45, (In Ukrainian, resume in Russian)

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey. No. 15, 1949)

PEN'KOV, A. M.

22461. Pen'kov, A. M. Eksperimental'noe opredelenie dinamic-heskikh napryazheniy v shkhtn ykh pod'emnykh kanatakh. ch.1. opredelenie dinamicheskogo modulya uprygosti kanatov.zapiski in-ta gornoy mexaniki (akad. nauk ukr sssr). No. 7, 1949, s, 53-77
Bibliogr: 19 nazv. Prodolzheniye sleduet.

SO: LEPOTIS' No. 30,1949

PEN'KOV, A. M.

Technology

Calculation of supporting blocks in salt mining, Kiev, Izd-vo Akademii nauk Ukrainskoi SSSR
1950

9. Monthly List of Russian Accessions, Library of Congress, March 195~~8~~² Unclassified.

PEN'KOV, A.M., doktor tekhnicheskikh nauk; BONDARCHUK, A.S., kandidat
fiziko-matematicheskikh nauk.

Experimental investigation of bending stresses in steel wire ropes.
Sbor.trud.Inst.gor.dela AN USSR no.2:71-84 '52. (MIRA 7:12)

1. Institut stroitel'noy mekhaniki AN USSR.
(Wire rope)

PENKOV, F.M.

USSR.

✓ 2952. CONVEYOR INSTALLATIONS WITH STEEL ROPES AS PULLING MEMBERS.
Pen'kov, A.M. and Krolevets, H.S. (Ugol (Coal), Nov. 1954, 21-27).
Illustrated descriptions and test figures are given for scraper, plate, and
belt conveyors in which the working members are attached to two endless ropes
by split wedge-shaped members clamped over sleeves which are pressed on to the
ropes. The wedge-shaped clamps fit in V pulleys at the ends of the run. (L).

Int. Mining in. Fedorov - AS USSR

PEN'KOV, A.M.; VOROHEYKOV, A.M.

Machine for the fatigue testing of wire ropes subjected to combined
load. Zav.lav.21 no.7:860-862 '55. (MIRA 8:10)

1. Institut gornogo dela Akademii nauk USSR
(Wire rope) (Testing machines)

124-57-2-2420

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 2, p 130 (USSR)

AUTHORS: Pen'kov, A. M., Bondarchuk, A. S., Borodavko, V. A.

TITLE: The Partial-load-relief Method for the Determination of the
Weight-induced Stresses in Structural Building Elements (Metod
chastichnoy razgruzki dlya opredeleniya napryazheniy ot sobstven-
nogo vesa v elementakh stroitel'nykh konstruktsiy)

PERIODICAL: V sb.: Issledovaniya pro vopr. ustoychivosti i prochnosti.
Kiyev, AN UkrSSR, 1956, pp 163-169

ABSTRACT: Bibliographic entry

1. Structures--Stresses 2. Stress analysis

Card 1/1

PEN'KOV, A.M., doktor tekhnicheskikh nauk; redaktor; **LISENBART, D.X.**, redaktor;
RAKHLINA, N.P. tekhnicheskii redaktor.

[Studies on problems of stability and strength; a collection of articles dedicated to Academician A.N.Dinnik] Issledovaniia po voprosam ustoiichivosti i prechnosti; sbornik statei, posviashchen-nyi akademiku A.N.Dinniku. Kiev, 1956.273 p. (MLRA 9:5)

1.Chlen-korrespondent AN USSR (for Pen'kov)
(Strains and stresses) (Elasticity)

PEN'KOV, A.M.; BORODAVKO, V.A., inzhener.

Experimental and analytical method of determining the wheel
pressure of haulage bridges on the rails. Sbor.trud.Inst.gor.dela
AN USSR no.3:113-119 '56. (MLRA 9:8)

1. Chlen-korrespondent AN USSR (for Pen'kov)
(Mine railroads) (Wheels)

PEN'KOV, A.M.; KOROLEVETS, M.S., kandidat tekhnicheskikh nauk.

The use of steel cables for conveyer equipment. Sbor.trud.Inst.
gor.dela AN USSR no.3:120-132 '56. (MIRA 9:8)

1. Chlen-korrespondent AN USSR (for Pen'kov)
(Conveying machinery) (Wire rope)

Pen'kov A.M.
DINNIK, Aleksandr Nikolayevich, akademik; KUCHEROV, P.S., red.; PEN'KOV, A.M.,
red.; GRISHKOVA, N.P., prof., red.; ZIL'BAN, M.S., red. izd-va;
ZHUKOVSKIY, A.D., tekhn. red.

[Selected works] Izbrannye trudy. Kiev, Izd-vo Akad. nauk USSR.
Vol. 3. 1956. 307 p. (MIRA 11:3)

1. Chlen-korrespondent AN USSR (for Kucherov, Pen'kov)
(Elasticity)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920013-1

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920013-1"

PENKOV, B.: CHOBANOV, I.

"Botev's Urotsi za purvite chetiri aritmeticheski pravila (Lessons on the First Four Rules of Arithmetic); a book review"

Fiziko-Matematicheskoto Spisanie. Sofia, Bulgaria. Vol. 1, no. 1/2, 1958

Monthly list of East European Accessions (EEAI), IC, Vol. 8, No. 6, Jun 59, Unclass

PENKOV, D.

AGRICULTURE

Periodical KOOPERATIVNO ZEMEDELIE. No. 10, Oct. 1958.

PENKOV, D. Determining the necessity of work-animal drawing power on cooperative farms. p.10.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

Pe'n'Kó'u, D. I.

24(7)

AUTHORS:

Averbukh, M. M., Artshbarakaya, E. T., Belyayev, M. V.,
Yosilov, I. I., Pen'kov, D. I., Strelnikov, I. G.

TITLE:

New Photoelectric Spectroscopic Apparatus

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya. 1959,
Vol. 23, No. 9, pp. 1105 - 1107 (USSR)

ABSTRACT:

In the present paper the apparatus of the type FEM-4 and
FEM-4M are described. The former consists of an exciter
of the type DC-2, a three-lens condenser system, the optical
part of the spectrograph of the type ISP-52, the camera of the
type UR-04, the collimator of the type UP-61 and a system for
light separation with four outlet slits and four photoelectric
cells of the type SPV-4. The instrument is automated and has
an error of less than 0.5%. A photograph of this apparatus is
shown by Figure 1. The second apparatus described here consists
of four blocks, and differs from the first by the optical system
and by the form of its construction (Fig. 2). The instrument makes
it possible to control the light intensities. The experiment is
carried out by means of both apparatus with two different
materials are shown by two tables. There are 2 figures, 2 tables.

Card 1/2

3

ASSOCIATION: Nauchno-issledovatel'skiy institut tekhnologii avtomobil'noy
promyshlennosti (Scientific Research Institute for the Tech-
nology of the Automobile Industry)

Card 2/2

PENKOV, Boian

From the history of mathematics in England in 18th century; Thomas Bayes, 1702-1761, and Thomas Simpson, 1710-1761. Fiz mat spisanie BAN 4 no.4:292-303 '61.

PENKOV, B., ml.n.sutr.

The 4th All-Union Mathematical Congress of Leningrad. Fiz mat
spisanie BAN 4 no.4:314 '61.

1. Chlen i sekretar na redaktsionnata kolegiia, "Fiziko-matematichesko
spisanie;"

SENDOV, B.Kh.; PENKOV, B.I.

ξ -Entropy and ξ -capacity of a set of continuous functions.
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